

B1 Sub E

- (4) insulin-like growth factor (IGF) for a prolonged time period]; and
(iii) ~~transfecting said avian primordial germ cells with a desired nucleic acid in order to obtain a transfected avian primordial germ cell].~~

Please add the following new claims 29-40:

--29. The method of claim 1, wherein said growth factors include the following:

- (i) leukemia inhibitory factor (LIF),
(ii) basic fibroblast growth factor (bFGF),
(iii) stem cell factor (SCF) and
(iv) insulin-like growth factor (IGF).--

--30. The method of claim 29, wherein the minimum amounts of said growth factor are:

40. 0.00625 U/ μ l LIF,
(ii) 0.25 pg/ μ l bFGF,
(iii) 0.5625 pg/ μ l SCF and
(iv) 4.0 pg/ μ l IGF.--

--31. The method of claim 1, wherein said growth factors are added exogenously to said culture medium.--

~~--32. The method of claim 1, wherein said growth factors are supplied by feeder cells.--~~

Sub E3 --33. A culture consisting essentially of purified isolated avian PGCs contained in a culture medium comprising growth factors in amounts sufficient to maintain said PGCs for at least fourteen days in tissue culture.--

--34. The culture of claim 33, wherein said growth factors are in amounts sufficient to maintain said PGCs in culture for at least 25 days.--